

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Aa4xx <aa4xx@nando.net>
Subject: [3922] 40 Meter Beacon
Message-ID: <Pine.SUN.3.90.951008002235.29884D-100000@merlin.nando.net>

Hi gang,

I'll be running a 500 microwatt beacon Sunday and Monday from 8 AM thru 5 PM. This will be an attended beacon. All signal reports will be greatly appreciated. The beacon message will be as follows:

VVV VVV VVV 500 uW <4 letter codeword> de AA4XX/B

The frequency will be 7050.8 kHz

My transmitter will be an OHR Classic with a built in Super CMOS II keyer. The antenna for this session will be a three element wire beam, pointed North. Stations in the 3rd, 2nd, 1st and 8th call districts should have a good chance of hearing the beacon between 8:30AM and 3:00PM EDT if conditions aren't absolutely terrible.

Good luck, es 72 from Raleigh, NC

Paul, AA4XX (919) 779-1637

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: NYOUNG@nova.wright.edu
Subject: [3932] Bandwidth, badges and badgers
Message-ID: <01HW6YEC2CMM8Y9KU3@nova.wright.edu>

My, my, didn't that little comment about bandwidth eat up a bunch of space time here on the ol' list? What a marvelous example of rhetorical reaction. But then, that seems to have been the point.

A couple weeks ago I overheard a prof in the med school tell a student that "there is a difference between a speech and a shrug." That was in response to the student's questioning the grade he got on what must have been a shrug-full paper on neural physiology. Great way to start med school, eh?

Or we can consider bandwidth this way: A lot of the stuff on the list seems to be shrug-worthy. It's stuff that we read, mull over for a couple synaptic operations and then punch in the command. Been there, done that, read that, away with it. Shrug. But there is also the possibility that what is shrug-worthy to some is necessary info to others. Thus, twenty versions of "How to charge your gel-cell without blowing up the house" may seem unnecessarily overwrought to a lot of folks. But to other folks, that info is the difference between getting on the air and not. Or having emergency/standby power or not. And not. Whatever.

In the meantime there are options: Pull up the directory of your mail and kill all the stuff that you think is superfluous. Then read the stuff you didn't delete. I do that. It saves me the hassle on "please subscribe" messages and the like. And, of course, there is no guarantee that I ain't gonna kill something that I'll wish I had. But them's the breaks for those what desire short and concise. And at this point it's pretty obvious that short and concise ain't two of my better disciplines. Nor is attention to register.

The other options are desub and/or resign yourself to the cost. After all, if you're gonna plunk down bucks after bucks for new toys and books and kits and circuit boards and catalogs and whatnots so as to enjoy the hobby, you may as well consider participation/subscription to this list in the same way you consider the \$10 you pay yearly for QRPP or the \$12 you spin out for SPRAT. Cost of the hobby, dudes.

In the meantime, conditions have been so rotten of late that I just sit and listen to thermal noise. I'd like to know, however, how the thermal noise gets away with sucking up all that bandwidth. Maybe I need to post a note to the thermal noise list. Hmmm...

73 (& OQRPC: Had a short Q the other night with a guy running 4 watts. I had the Argosy down to [I love little meters!] 700 mW out... Heh heh... I should've gone for less. Like maybe 4 mW. Now that would have been a challenge... and not just for my eyes reading the meter either...)

Nils
WB8IJN &c

From qrp-l@lehigh.edu Sun Oct 8 10:25:00 1995
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [3926] CQ NF0N Frank Paxton
Message-ID: <199510080545.XAA13074@zia.aoc.nrao.edu>

Frank,
Please send me your correct email. I tried responding to your request regarding the QRP-L web page, but keeps bouncing to frank.paxton.iii@sound.net

Paul NA5N pharden@nrao.edu

From qrp-l@lehigh.edu Sun Oct 8 10:25:00 1995
From: Robspark@aol.com
Subject: [3911] Curtis keyer chip

Message-ID: <951007131455_118424372@emout05.mail.aol.com>

Hi fellows!

I recently purchased a Tentec Century 22 and it has great promise as a QRP rig. This rig has the optional keyer board, and the paddles work fine on it except the chip does not allow a dit or dah insertion while the other paddle is down. This is very frustrating as my other keyer, an MFJ electronic keyer, allows this. I need all the help I can get on CW! A while back there was a thread on the Curtis keyer chip, and I think someone mentioned that the chip could be jumpered somehow to remedy this situation, ie. allowing dit/dah insertion while the opposite paddddle is down. I opened the case and the chip that seems to do the work on the keyer board is a 16 pin dip with the following letters:

P8412
DM7476N

Question: Is this the Curtis keyer chip? If so, which pins can I remove a jumper from and replace elsewhere to make it key like the MFJ keyer?

Any help will be greatly appreciated. My email address is
robspark@aol.com.

Thanks!!!!

Bob AB5ZD

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Blair Heinzlmeir <blair@tibalt.supernet.ab.ca>
Subject: [3914] DDS VFO in October 73
Message-ID: <Pine.HPP.3.91.951007141921.14460A-1000000@tibalt.supernet.ab.ca>

I was wondering if their others out there thinking about building the DDS VFO? I think that I'm going to give it a try since it has all the features that I have benn looking for in a dds vfo. But I'm having trouble getting the advance micro devices ad7008. Up in Canada you have to be a registard company before they will sell you one. Can anybody on the list help me in tracking this chip down?
thanx
Blair VE6BJH

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: PArland@aol.com
Subject: [3920] K7YHA's QRP Library
Message-ID: <951007222815_71936338@mail06.mail.aol.com>

Hi Gang:

Just read the great review that WA8MCQ did on my last book, Low Power Communicatoins, Vol-III ARP Gear.

Now, a word about book orders. Due to a tiff with my publisher over advertising and other things regarding his ability to promote the books, I am unable to buy from him in small quantities, as I had in the recent past.

Currently I have no more copies of Vol-I and Vol-II. I DO have copies of Vol-III that I can offer at \$13.50 including 4th class book rate postage.

If anyone needs to order a complete set of all three volumes or only Vol-I and/or Vol-II, please place your order directly with Tiare Publications, P.O. Box 493, Lake Geneva, WI 53147. Cost will be \$14.95 PLUS \$4.00 shipping. Allow about 3 weeks for delivery.

In the future, I will post a message when I will be taking orders for a bulk order from Tiare. In order to make this work, I'll need to order a minimum of 50 copies of each volume. Therefore, I'll be posting a message asking for those interested in obtaining books at a substantial discount from Tiare's retail prices. Once I have an idea of how many people are interested in doing a bulk order I'll then post an e-mail giving the details on when and where to send the money so I can prepay the order to Tiare.

Sorry for any inconvenience this might cause any or you who are interested in ordering complete sets or copies of Vols - I & II. Remember, I do have copies of Vol-III in stock for immediate shipment.

73 es thanks for you support

rich, K7YHA

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: pdauteui@postbox.acs.ohio-state.edu (Paula D'Auteuil)
Subject: [3933] Listing of QRP Clubs and Newsletters
Message-ID: <199510081357.JAA05037@postbox.acs.ohio-state.edu>

Hi to all,

I've been reading the mail for a while and was wondering if there is a listing of qrp clubs and newsletters that one could download. Enjoy reading

the mail and hope to get a kit in the near future. Thanks in advance for your help.

Dick, WB1DFT

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [3917] Narrowing the bandwidth?
Message-ID: <m0t1iFQ-000AnzC@rcp.net.pe>

I've been a subscriber a short time, but here are ideas which would make it more enjoyable to read.

1) Folks should be concise and to the point. (A lot of rambling goes on.)

2) Only specific lines from messages which are being answered should be copied.

3) The subject line should to the point too.

4) Instead of answering to the general public, one should decide if the answer is really of general interest. If not, then answer directly to the inquiring party.

5) "Signature" lines, diagrams etc. confuse the issue.

These sorts of guidelines might reduce the digest by 1/3.

72,

Kris (0A4\KA20IG)

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Joe Gerry <74561.1622@compuserve.com>
Subject: [3918] OHR group discount
Message-ID: <951008000948_74561.1622_EHH130-1@CompuServe.COM>

Why not get a group together from the list and order gear from OHR? Count me in if anyone is interested. Twenty percent off sounds good to me.

Joe W3GW

From qrp-l@lehigh.edu Sun Oct 8 10:25:00 1995
From: iapizloj@bicc00.bi.ehu.es (jon Iza)
Subject: [3928] Q-Dope and VFO stabilization
Message-ID: <9510080949.AA19296@bicc00.bi.ehu.es>

Gang,
the thread on Q-Dope has been great, even with nail polisher (Mine was "cherry passion" which make fancier coils :-) :-)
But, Joe E., N2CX make a comment on coating the VFO coils after stabilization by aging or heat treatment. I would like to open fire on that last one. Recently there was a thread on boiling toroids after construction to anneal them (I still have to look for a translation of such verb...). And there were many comments on that with a general closure that it does good for the coils. The other treatment is just heat treatment. I remember doing that for a WFO (from wandering frequency oscillator) I had for a 2 m. FM transmitter. I was lucky that most of the people had VFOs too, and they were able to chase me all over the band... :-)
I stuck the WFO on the oven for a while, then to the fridge, back to the oven, the fridge, the oven,.... I forgot!!! and, kaboom, all my styroflex capacitors got fried and the WFO became DFO: dead frequency oscillator. What do you do for "heat treatment"?
By the way, the emphasis on the operation was on thermal aging of the semi-conductors!
Be well.
72+73 de jon, ea2sn

From qrp-l@lehigh.edu Sun Oct 8 10:25:00 1995
From: PDouglas12@aol.com
Subject: [3915] Sierra pix
Message-ID: <951007171713_118540894@mail06.mail.aol.com>

Our friend Steve Hideg has put some great pictures up on the QRP-L home page on the web. He has a set of Sierra pictures showing several iterations. There's a "stripped" NorCal Sierra; another one with what appears to be a keyer and an analog s-meter and maybe other stuff (extra switch in front?). And one with an LED S-Meter. Whose are they, and what's in them? Anyone on the list have that info?

I would love to try the LED s-meter, and I do recall maybe Wayne Burdick mentioned it in one of his articles in (?) QRPP. But I seem to also recall there wasn't enough info for a clod like me to solder one up for myself.

Wayne, you listening? Would some kind soul post the patch between the circuitry in the options schematics in the Sierra manual and the led S-meter?

72 all,

Preston WJ2V

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Subject: [3921] TS-130 receiver filters?
Message-ID: <17247.813125534@safety.ics.uci.edu>

Anyone out there fiddled much with the Kenwood TS-130 receiver strip? (The 120 is much the same, I think.) I am going to have one soon, and want to add some selectivity. I have seen a note in a mod manual that there are two small ceramic filters ahead of the crystal filter in the 8.8 IF line (single conversion) and that it would be easy to drop in another crystal filter right there ahead of the standard filter. I wonder if anyone has done this, knows the impedance of the line there, or even knows what the specs are on the YG-88-S filter are. I could dig up a known quantity with the YK-88-S (the filter already in there), but can obtain a YG-88-S (out of an old TS 820 in its 8.8 IF line) cheap. It would be nice to cheaply add another 8 poles to the little radio.

72

Clark
WA3JPG

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [3910] Re: Cascade Arrives
Message-ID: <Pine.SUN.3.91.951007095755.5351B-100000@ume>

Got mine here in Canada yesterday. Looks great. Having just arrived back from a 2 week trip away from home I will be delayed in getting it built but it sure looks like a winner. I will be interested to compare it to my home brew epiphyte.
Now I have something to keep me occupied when the sun disappears in a month or so! ;-)

Dr. Rick Zabrodski BSc, MD, CCFP(E) * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: CICIORA STEVEN JOSEP <ciciora@spot.Colorado.EDU>
Subject: [3916] Re: DDS VFO in October 73
Message-ID: <Pine.SOL.3.91.951007171929.4062A-100000@spot.Colorado.EDU>

Please excuse my ignorance, but I am new to the world of RF...
A good friend of mine is going to use the AD7008 in his dream rig, and bought the evaluation kit from AD (don't buy the evaluation kit; if you are considering it, drop me a line and I'll elaborate). Something people should be aware of is while the mag. article specs look great, there are a lot of spurs generated by DDS chips (read the synth. section of the ARRL handbook for a discription, and theory that is still just a little bit over my head). Tom wrote some software to scan the frequency back and forth and we looked at the output on a 141T spectrum analyser. Kind of fun watching the spurs march back and forth... :-). Anyway, since he only wants to run it from 70 MHz to 100 MHz (I think; over a 30 MHz range) what he will do is use a 2^n crystal (4.096? 8.192?) to get 1/256 of a Hz resolution, and use a motorola PLL chip to multiply the frequency up by 256, giving 1 Hz resolution. After the DDS a .39 MHz low pass filter is used (or was it a band pass?) to clean up some spurs, and a good loop filter also cleaned up a lot. He talked this over with Brode (sp, some guy who has written several books on PLLs) and he thinks that this idea will work. He will also be able to change the frequency at a reasonable rate (about 10 ms if I remember, too good of a loop filter and the PLL will take too long to lock up). Anyway, I hope to reproduce what he has done in my dream radio also. While the chip looked great at first (a true "dream" come true!) as with most things, it's not as simple as it might first appear.

Thanks for your time,
-Steven Ciciora
KB0PJF

P.S. The eval kit and chips were purchased from Newark electronics. about \$70 for the 50 MHz version, if I remeber, or was it \$40 for the 20 MHz version?

On Sat, 7 Oct 1995, Blair Heinzlmeir wrote:

> I was wondering if their others out there thinking about building

> the DDS VFO? I think that I'm going to give it a try since it has
> all the features that I have benn looking for in a dds vfo. But I'm
> having trouble getting the advance micro devices ad7008. Up in Canada
> you have to be a registard company before they will sell
> you one. Can anybody on the list help me in tracking this chip down?
> thanx
> Blair VE6BJH
>
>
>

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: cebik@UTKVM.UTCC.UTK.EDU
Subject: [3913] Re: GEL Cell Charging Help?
Message-ID: <Pine.PMDF.3.91.951007141903.547453634D-100000@utkvx.utk.edu>

On Fri, 6 Oct 1995, chuck adams wrote:

> They are
> relatively cheap fuses, but I have had \$2 parts protect a
> \$0.05 diode too. :-) Been there done that.

That is still cheap. I remember a solid state supply for the EICO 753 (I think it was--copy of a National transceiver): the \$38.50 pair of pass transistors (or were they switches) protected a \$.20 fuse. Blew two pair before I went to a heavy-duty p.s. Them (1960s) was the good old days of solid state, when nothing was reliable except the smoke.

-73-
LB, W4RNL

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Steve.hideg.1@nd.edu (Steve Hideg)
Subject: [3909] Re: Loop Drawing at QRp web site
Message-ID: <v02130503ac9c45fb9f43@[129.74.35.16]>

>I have downloaded a crude but clear Windows paintbrush drawing of the loop
>antenna and also put several xerox copies in the mail today. The drawing is
>crude at best but I think that it is clear enough to construct the antenna.
>As I have said in a previous E-mail that I finally got the antenna to work,
>but had to switch the transformer feed to a gamma type feed. I have also
>noted that the antenna is severely sensitive to hand capacitance and is a
>real bugger to tune. When you get it tuned, and move your hand away, bang! way
>out of tune. I will continue to work on it, but at least I got it working!

This image has been placed on the QRP-L Resource Page at the following URL:

<http://qrp.cc.nd.edu/qrp-l/hints/loop.gif>

I have also uploaded it to the incoming directory at <ftp.lehigh.edu>

Steve Hideg Macintosh Consultant/Analyst

Office of University Computing	Telephone: (219) 631-EXAM
G034 Computing Center/Math Building	E-mail: Steve.Hideg.1@nd.edu
University of Notre Dame	URL: http://www.nd.edu/~shideg/
Notre Dame, IN 46556	Ham Radio: N8HSC/9

"imagine the disincentive to software development if after months of work another company could come along and copy your work and market it under it's own name...without legal restraints to such copying, companies like Apple could not afford to advance the state of the art"
-Bill Gates '83

From qrp-l@lehigh.edu Sun Oct 8 10:25:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [3919] Re: Narrowing the bandwidth?
Message-ID: <199510080153.SAA22057@usr4.primenet.com>

At 08:01 PM 10/7/95 EDT, Kris Merschrod wrote:

>
> I've been a subscriber a short time, but here are ideas which
> would make it more enjoyable to read.
>
> 1) Folks should be concise and to the point. (A lot of rambling
> goes on.)
>

There's a lot of good stuff in the rambling. Check out stuff from Nils and Chuck...there are some real gems in there.

> 2) Only specific lines from messages which are being answered
> should be copied.
>

Agree.

> 3) The subject line should to the point too.
>

Yup

> 4) Instead of answering to the general public, one should decide
> if the answer is really of general interest. If not, then answer
> directly to the inquiring party.

>
Gosh, I'd miss a lot if there weren't responses to the entire list.

> 5) "Signature" lines, diagrams etc. confuse the issue.

Nope. Gives me a good idea of where the folks are coming from. I'm amazed at the variety of backgrounds on this list.

For me, the greatest part of this list is the diversity of people and ideas that appear, as well as the many off-the-wall things that turn out to be pending projects. This is better than a bull session anytime.

72, de Roger, AA7QY

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3923] Re: Narrowing the bandwidth?
Message-ID: <Pine.SUN.3.90.951007214305.11623A-1000000@vortex>

On Sat, 7 Oct 1995, Kris Merschrod wrote:

>
> 5) "Signature" lines, diagrams etc. confuse the issue.
>

Signature lines are about the only way to know where people are and other tidbits of information about them. I enjoy seeing them.

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
...ku7y@sage.dri.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [3930] Re: Narrowing the bandwidth?
Message-ID: <Pine.OSF.3.91.951008084729.3662A-100000@saturn.acs.oakland.edu>

On Sat, 7 Oct 1995, Kris Merschrod wrote:

<Snip! Several useful tips that have been mentioned a bajillion times
before but go unheeded>

Kris forgot one himself! The Obligatory QRP (ObQRP) paragraph, which is
used when you reply to the entire group (as opposed to a single person)
on a NON-QRP issue, i.e. Q-Dope, Switching Power Supplies, Dayton WX, etc..
;-)
73! =paul= wb8zjl

ObQRP - Had a nice breakfast with MI-QRP group yesterday! I passed my
NorCal 40a around the table, there were about 20 QRPers in attendance.
Also, had a Q with a station running 30 watts out of WI last night on
7.039 as I answered his loud CQ, I cranked back the drive to the Corsair
to about 500mw just to see if he'd answer. He did, 569, and we had a
nice half hour chat.

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Gary Newberry <gnewberry@iav.coast.net>
Subject: [3927] Re: Narrowing The Bandwidth
Message-ID: <m0t1qRV-00001rC@simtel.Coast.NET>

> Narrowing the bandwidth?
>
> Kris Merschrod (km@PACT.ORG.PE)
> Sat, 7 Oct 1995 18:30:59
>
> * Messages sorted by: [date][thread][subject][author]
> * Next message: Joe Gerry : "OHR group discount"
> * Previous message: CICIORA STEVEN JOSEP : "Re: DDS VFO in
> October 73"
>
> -----
>

> I've been a subscriber a short time, but here are ideas which
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> directly to the inquiring party.
>
> 5) "Signature" lines, diagrams etc. confuse the issue.
>
> These sorts of guidelines might reduce the digest by 1/3.
>
> 72,
>
> Kris (0A4\KA20IG)
>
> I'll be real concise and to the point !!

1. I REALLY like the group AS IS !!
2. Who died and appointed you as list Policeman ?
3. There is a company that advertises in QST or 73 Mag.
they sell a "star" badge with your ham call on it ,
You might really enjoy it ;-)

72 73 Gary WB8POK

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: James Lyons <jlyons@CAM.ORG>
Subject: [3929] Re: Narrownig The Bandwidth
Message-ID: <199510081047.GAA19295@Ocean.CAM.ORG>

> > I'll be real concise and to the point !!
>
> 1. I REALLY like the group AS IS !!

>
> 2. Who died and appointed you as list Policeman ?
>
> 3. There is a company that advertises in QST or 73 Mag.
> they sell a "star" badge with your ham call on it ,
> You might really enjoy it ;-)
>
Bravo!, Jim Lyons, VE2KN, Montreal

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Subject: [3931] Re: Narrownig The Bandwidth
Message-ID: <199510081300.JAA24790@jfwhome.funhouse.com>

Now, which of the following excerpts:

> 1) Folks should be concise and to the point. (A lot of rambling
> goes on.)

< 1. I REALLY like the group AS IS !!
< 2. Who died and appointed you as list Policeman ?

best reflects

"ONE

The Amateur is is considerate . . .He never knowingly uses
the air in such a way as to lessen the pleasure of others."

Some people pay for email. Asking them to pay for a brand-new copy of
a ten-line signature each time one posts is not considerate.

As to someone else's observation that signatures are the "only" way to find
out where people live, or other interesting tidbits, one could always *ask*
them. Though something else occurs to me: another mailing list I was on a
while back had a biographical questionnaire that you could fill out when you
joined the list (or not, as you chose). Perhaps a similar thing could be
done for this list, and stored on the list server (since the list server is
already set up to return various interesting pieces of information).

(Hmm. There's another interesting project...
``finger wb7eel@callsign.somehost''... Maybe I'll go back to working on an
automatic update scheme on my system for the FCC data after all...)

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: Risley <risley@nando.net>
Subject: [3912] Re: Oak Hills Research Group Discounts
Message-ID: <Pine.SUN.3.91.951007141233.15638A-100000@parsifal.nando.net>

I would also be interested....

Rhett, KB4HG

On Sat, 7 Oct 1995, Bob Kmak wrote:

> >
> > 20% is pretty substantial; I could go for a 400, anyone else
> >interested?
> >Mike
> >NQ7K
> >>
>
> I'd be interested too...
>
> Bob
> KC5RAS
>
>
>

From qrp-1@lehigh.edu Sun Oct 8 10:25:00 1995
From: JessQRP@aol.com
Subject: [3925] Re: QRPp in New Jersey (Sleepless in New Jersey) Cascade Yet?
Message-ID: <951008005225_39074164@mail02.mail.aol.com>

I just got home from a 3 day stay in the hospital (major back surgery, 2 ruptured disks and a whole new way of living) and my sweet wife says " I think that new radio you've been waiting on is here." Talk about cheering me up! Got home and unpacked it, all looks good, no extra tuning cap though. My only problem is that with the restrictions that I have from the Doc, it may be several weeks to months before it gets on the air! Oh well, at least the rest of you will have time to tell me all the changes and bug fixes I need to make before I get started!

Best
Jess